



an Open Access Journal by MDPI

Organic-Inorganic Hybrids: The New Frontier for Advanced Functional Materials

Guest Editors:

Dr. Serena Esposito

Department of Applied Science and Technology and INSTM Unit of Torino - Politecnico, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Turin, Italy

Prof. Dr. Michele Pansini

Department of Civil and Mechanical Engineering and INSTM Research Unit, Università degli Studi di Cassino e del Lazio Meridionale, Via G. Di Biasio 43, 03043 Cassino, FR, Italy

Dr. Olimpia Tammaro

DISAT - Department of Applied Science and Technology, Politecnico di Torino, Turin, Italy

Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editors

Organic–inorganic hybrid materials arise from the integration of organic and inorganic matrices and they can be classified according to the mutual interactions at the molecular level, as proposed by Prof. Clement Sanchez. The synergic characteristics and functionalities with respect to the single component make hybrids a potential platform for multidisciplinary applications. The “soft chemistry” behind the sol-gel method is a potential tool to produce smart materials thanks to unique features, with perfect control over size, composition, functionality, and morphology.

This Special Issue will provide a forum for scientists working on both sol-gel synthesis strategies and characterization for the development of advanced hybrid materials. Papers reporting the performance of new nanohybrids in any field of materials science (catalysis and biocatalysis, sensing, biomedical applications, etc.) are welcome. And works concerning the use of modern tools, such as (DOSY) NMR, SAXS, and WAXS, to evaluate the hybrid interfaces and self-assembly processes are also encouraged.



mdpi.com/si/47057

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)